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Page 1 of 23 Rec Fee: $104.50
Commissioner of Records Doc Code: DM
State RTT: Local RTT:

Mastbaum High School

Prepared By:
Carl B. Everett, Esquire
Saul Ewing LLP
Centre Square West
1500 Market Street, 38th Floor
Philadelphia, PA 19102-2186

SRS00210

RECORD & RETURN TO:
SEARCHTEC, INC
314 N. 12TH STREET
STE# 100
PHILADELPHIA, PA. 19107

OPA #78-6145800

DEED NOTICE

THIS DEED NOTICE is made as of the 30th day of July, 2013, by **SCHOOL DISTRICT OF PHILADELPHIA,** a political subdivision of the Commonwealth of Pennsylvania, with administrative offices located at 440 North Broad Street, Philadelphia, Pennsylvania 19130 (together with its successors and assigns, collectively "Owner").

W I T N E S S E T H:

WHEREAS, Owner is the owner in fee simple of certain real property located at **3116 Frankford Avenue, Philadelphia, Pennsylvania**, more particularly described on Exhibit "A" attached hereto and made a part hereof (the "Property"); and

WHEREAS, pursuant to a Consent Decree entered in the United States District Court for the Eastern District of Pennsylvania on September 11, 1997, in the United States of America v. The School District of Philadelphia, Civil Action No. 97-3829 ("Consent Decree"), Owner is obligated, inter alia, to file recordation notice of the Consent Decree.

WHEREAS, paragraph 8.b of the Consent Decree provides, "In the event of PCB contamination remains at a Facility, the School District shall file and record the removal and disposal plan as a deed notification and restriction notifying any subsequent purchaser of the Facility to remove and properly dispose of contaminated material prior to any activity that would disturb the contaminated material (such as renovation or demolition)."

WHEREAS, the PCB Removal and Disposal Plan dated April, 2009, attached hereto as Exhibit "B", (i) describes the remedial actions that were performed; (ii) describes and summarizes the sampling which was performed after completion of the remedial actions; and (iii) describes the proper removal and disposal procedures for the transformers and the contaminated concrete.

WHEREAS, as more fully provided in the Consent Decree, notice of the Consent Decree shall be included in all subsequent deeds, title or other instruments conveying an interest in the Property.

WHEREAS, this Deed Notice itself is not intended to create any interest in real estate in favor of the EPA, nor to create a lien against the Property, but merely is intended to provide record notice of the Consent Decree.

NOW, THEREFORE, Owner hereby notifies, by this Deed Notice, all interested parties, owners, lessees and operators of the Property of the Consent Decree.

FURTHER, the obligations of Owner of this Property with respect to all requirements and provisions of the aforementioned Consent Decree shall be binding upon the Owner and upon any and all persons who subsequently become owner of any portion of the Property upon which encapsulated PCB contaminated material exists.

[Signatures on the following page]

IN WITNESS WHEREOF, Owner has executed this Deed Notice as of the date first written above.

SCHOOL DISTRICT OF PHILADELPHIA

By: _____

Pedro A. Ramos, Esquire
Chairman
School Reform Commission

APPROVED AS TO FORM:

_____

Elizabeth C. Gutman, Esq.
Assistant General Counsel
The School District of Philadelphia

COMMONWEALTH OF PENNSYLVANIA :
: SS
COUNTY OF PHILADELPHIA :

On this 30th day of July, 2013, before me a Notary Public in and for the Commonwealth of Pennsylvania, the undersigned officer, personally appeared **Pedro A. Ramos, Esq.**, who acknowledged himself to be the Chairman of the School Reform Commission, acting on behalf of the **School District of Philadelphia**, and that he as such officer, being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the School District of Philadelphia by himself as Chairman.

In Witness Whereof, I hereunto set my hand and official seal.

Michelle A. Reed [SEAL]
Notary Public

My Commission Expires:
October 22, 2013

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Michelle A. Reed, Notary Public
City of Philadelphia, Philadelphia County
My Commission Expires Oct. 22, 2013
Member, Pennsylvania Association of Notaries

Exhibit "A"

Legal Description

ALL THAT CERTAIN lot or piece of ground with the buildings and improvements thereon erected. SITUATE in the 25th Ward of the City of Philadelphia, lately in the District of Northern Liberties and County of Philadelphia on the Westwardly side of Frankford Avenue and beginning at a certain 50 feet wide street called Helen Street (to be opened and placed upon the City Plan) and extending along the Westwardly side of the said Frankford Avenue Northwardly 159 feet 2-1/4 inches to the ground of the Estate of L. L. Wishart, deceased; thence by same Westwardly in depth 100 feet to other ground of the said Thomas Wiggins; thence Southwardly with the said Frankford Avenue 159 feet 7 inches, more or less, to said Helen Street; thence Eastwardly along the North side of the said Helen Street 100 feet to the place of beginning.

BEING KNOWN AS 3116 Frankford Avenue.

BEING OPA# 78-6145800.

Exhibit "B"

PCB Removal and Disposal Plan

KEATING Environmental Management, Inc.
123 John Robert Thomas Drive, Exton, Pennsylvania 19341
Tel. (610) 594-2600 Fax (610) 594-6100

PCB REMOVAL AND DISPOSAL PLAN

Mastbaum Technical High School
3116 Frankford Avenue
Philadelphia, Pennsylvania

File No. 5385

April 2009

Prepared for:

The School District of Philadelphia
Philadelphia, Pennsylvania

KEATING Environmental Management, Inc.

PCB REMOVAL AND DISPOSAL PLAN
MASTBAUM TECHNICAL HIGH SCHOOL
TABLE OF CONTENTS

KEATING Environmental Management, Inc.

1.0 Introduction

This Removal and Disposal Plan summarizes the remedial activities which were completed at the Mastbaum Technical High School (located at 3116 Frankford Avenue in Philadelphia, Pennsylvania) and describes the actions to be taken upon the removal of the PCB contaminated concrete from this location. Specifically, this report:

- Describes the remedial actions which were performed[1];
- Describes and summarizes the sampling which was performed after completion of the remedial actions[1]; and
- Describes the proper removal and disposal procedures for the contaminated concrete.

This Removal and Disposal Plan has been prepared as a component of the Deed Notification that is described within the Consent Decree entered in U.S. v. School District of Philadelphia, Civil Action No. 97-3829.

2.0 Remedial Action

After removal of the four PCB transformers, the PCB impacted concrete floor surfaces at the Mastbaum Technical High School that had a PCB wipe sample concentration in excess of 10 µg/100 cm^2 were encapsulated. Encapsulation was initiated on August 23, 2007 and completed on August 20, 2008.

Prior to the application of the epoxy, the area to be encapsulated was marked, based upon the interpretation of the pre-cleanup, delineation wipe sample results. The encapsulated area extended approximately one foot beyond the impacted concrete where the surface was determined to have a PCB concentration of less than 10 µg/100 cm^2.

The encapsulant utilized was an epoxy coating which is resistant to chemicals and abrasion. Prior to the application of the encapsulant, the floor surface was thoroughly cleaned to enhance adhesion of the encapsulant to the floor. The encapsulant was manufactured by Rust-Oleum.

The encapsulated area is subject to infrequent foot-traffic and essentially no mechanical abrasion. Two layers of the epoxy encapsulant were applied. The color of the epoxy materials is dark blue to ensure that the area which has been encapsulated is easily recognizable in comparison to the gray color of the concrete floor. A colored "flake" marker was placed in between the layers so that it will be visually apparent in the unlikely event that the epoxy coating becomes degraded.

Appendix A contains product data regarding the encapsulant. Figure 1 shows the location of the encapsulated area at the Mastbaum Technical High School.

[1] For additional information regarding the remedial actions which have been completed, refer to the Final Report for this location, dated September 30, 2008.

3.0 Post-Encapsulant Sampling

On November 15, 1997, a wipe sample was collected to confirm that the encapsulant was effective. The wipe sample was taken from an area which was previously documented to have a PCB surface concentration which exceeded the target value of 10 µg/100 cm^2. A wipe sample of the encapsulated surface which contains a PCB concentration of less than 10 µg/100 cm^2 is considered adequate confirmation.

Prior to encapsulation, the chosen location of the post-encapsulant wipe sample had a PCB surface concentration of 4,600,000 µg/100 cm^2. After encapsulation, this area had a PCB surface concentration of 2 µg/100 cm^2.

Photographs have been taken and scaled sketches developed to document the areas which have been encapsulated. These records are being maintained by The School District's PCB Coordinator. Copies of the photographs are provided in Appendix B.

4.0 Removal and Disposal of the PCB Contaminated Concrete

PCB contaminated concrete will be removed if renovation or demolition occurs that disturbs the contaminated material. PCB contaminated concrete will be disposed of in accordance with TSCA (Toxic Substances Control Act) regulations.

Prior to the removal of any concrete surface, The School District shall conduct a structural engineering evaluation to determine the depth to which concrete can be safely removed. Concrete removal prior to demolition will only be performed if it can be accomplished without jeopardy to the structural integrity of the area and if the removal action will result in the complete removal of PCB contaminated concrete.

PCB contaminated concrete will be removed by either scabbling, where the surface of the concrete will be abraded down to the depth of uncontaminated concrete, or by bulk removal methods.

Where scabbling is utilized, in the absence of structural engineering constraints regarding the depth of concrete which can be removed, removal of concrete will be done to achieve the cleanup levels for porous surfaces as required in 40 CFR 761.61(a)(4)(iii).

All waste concrete will be placed within properly labeled 55-gallon drums that meet USEPA and DOT shipping requirements. However, if the Mastbaum Technical High School is demolished, it may not be practical to place bulk contaminated concrete into shipping drums. At that time, the utilization of lined roll-off containers for the transportation of PCB contaminated concrete to a licensed TSCA permitted chemical waste landfill will be evaluated.

FIGURE 1

Extent of Epoxy Encapsulation

KEATING Environmental Management, Inc.

Client: Phila. School Dist. Project No: 5385 Page 1 of 1
Project Name Masterman - Room 081

Prepared by: P. Davis Checked by: _____
Date: 8-21-2008 Date: _____

FIGURE 1

Wipe Sample Analytical Results	
Location	Aroclor - Concentration ($ug/100^{cm3}$)
WS-1	Aroclor 1260 - 4,600,000
WS-2	Aroclor 1260 - 12
WS-3	Aroclor 1260 - 9.2
WS-4	Aroclor 1260 - 28
WS-5	Aroclor 1260 - 18
WS-6	Aroclor 1260 - 1.3
WS-8	Aroclor 1260 - 5.4
WS-9	Aroclor 1260 - 2.7
WS-10 (Post Encapsulant Sample)	Aroclor 1260 - 2.0

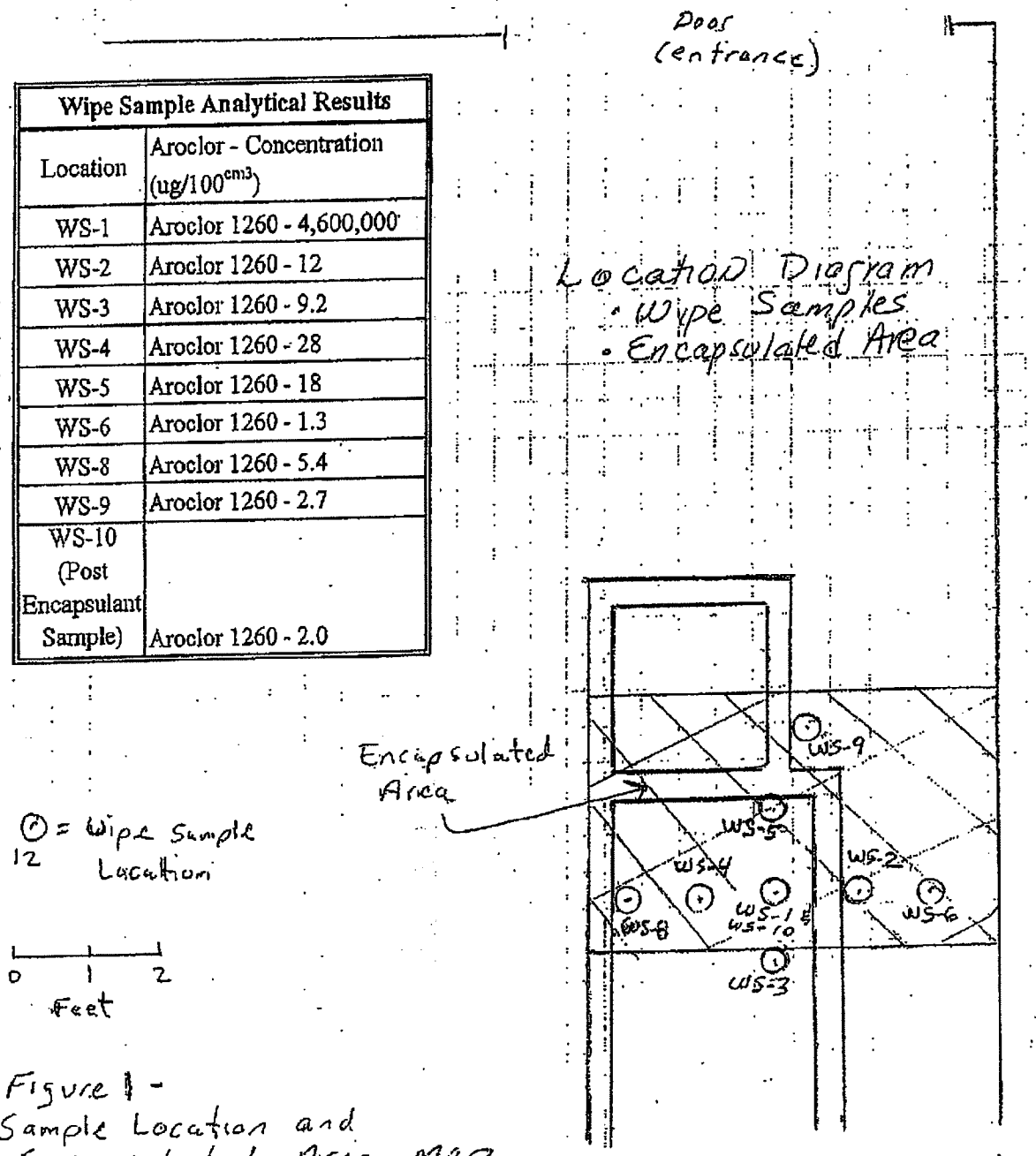


Figure 1 - Sample Location and Encapsulated Area Map

APPENDIX A

Encapsulant Product Data

RUST-OLEUM® SPECIALTY

Product	Size	Resin Type	Surface Type	Surface Restrictions	Indoor	Outdoor	Gloss Level	Durability	Corrosion Resistance	Chemical Resistance	Dries to Touch	Dries to Handle	Recoat Window	Clean-up*	Strengths	Application Tips
Landscape Chalk 	12 oz.	Nearly binderless	Grass, concrete, dirt, gravel & asphalt	None	Yes	Yes	Flat	Temporary	N/A	N/A	5 min.	N/A	N/A	Water	Temporary marking. Weathers away in 15-30 days. Environmentally-friendly. Easy-to-use spray-through cap.	Invert can and point at ground. Hold can 4-8" above surface. Press sideways to spray. Spray using a steady, even stroke to prevent build-up. May be used with Rust-Oleum Marking Wand.
Camouflage 	12 oz.	Acrylic Vinyl Toluene Modified Alkyd (Oil-Based)	Metal, wood, plaster and masonry	Some plastics and galvanized metal	Yes	Yes	Ultra Flat	Excellent	Good, better with primer	Good	20 mins.	1 hr.	Within 1 hr. or after 24 hrs.	Xylol or Mineral Spirits	Ultra flat finish is non-reflective for maximum hiding.	Use combination of colors that resemble the terrain you're blending with. Use leaves and twigs as stencils. For long lasting protection, prime first.
Reflective 	10 oz.	Standard Alkyd (Oil-Based).	Metal, wood, concrete and masonry.	Galvanized metal, some plastics or surfaces that, when heated, exceeds 200° F	Yes	Yes	Matte	Moderate	Fair	Very good	30 mins.	2 hrs.	Within 1 hr. or after 48 hrs.	Mineral Spirits	When hit with a direct light source, painted object reflects for nighttime visibility and safety.	Do not spray too heavily, or reflective effect will be muted.

EPOXY Shield

Product	Size	Resin Type	Surface Type	Surface Restrictions	Indoor	Outdoor	Gloss Level	Durability	Corrosion Resistance	Chemical Resistance	Dries to Touch	Does to Handle	Recoat Window	Clean-up	Approx. Sq. Ft.†	Strengths	Application Tips
Garage Floor Coating 	120 oz. when mixed	2-Part Waterborne Epoxy	Sound Concrete	Moisture/damp concrete and wood	Yes	No	Semi-Gloss	Excellent	N/A	Excellent	4 - 6 hrs.	Light foot traffic in 12-16 hrs. Normal foot traffic in 24-48 hrs. Full cure and vehicle traffic in 7 days.	After 12 hrs., before 7 days, if necessary.	Soap & Water	250	One coat water-based epoxy that withstands harsh elements. Eliminates hot tire pick-up. Easy to care for decorative finish. Low odor. No dangerous etching. Instructional DVD included.	Mix parts together for at least 3 minutes. Let mixed product stand for 30 minutes before using. Refer to temperature/ application chart for mixing instructions. Apply with a 1/2" nap roller. Scatter decorative chips over surface after each 4' x 4' area has been painted. Temperature can affect pot life. See detailed instructions in kit. Do not drive on for 7 days.

†Approximate sq. ft. varies per color. *Xylol - wet or dry paint. Mineral spirits - wet paint.

RUST-OLEUM

EPOXYShield®

GARAGE FLOOR

INSTRUCTION SHEET

Read all instructions carefully before starting project.
For more details and application tips please go to epoxyshield.com.

To ensure best performance, DO NOT PAINT IF THE FOLLOWING CONDITIONS EXIST:

- **Sealed concrete** - Determine if there is a concrete sealer present by dripping a small amount of water onto various areas of the surface. If the water beads, a sealer is present and paint may not adhere properly.
- **Poorly-bonded previous paint** - If the floor is previously painted, remove any loose paint by sanding and scraping. Test the adhesion of the remaining paint on the surface by doing the following:
  1. With a single-edged razor blade, cut an X through the coating and down to the concrete.
  2. Apply a 4" piece of duct tape over the X and press firmly.
  3. Completely remove the tape with one quick pull.
  4. If more than 25% of the taped area is removed with the tape, the original coating is not adhering well, and the floor should not be coated with EPOXYShield unless all previous paint is removed using a concrete floor sander or suitable paint stripper.

  If previous coating is well bonded, scuff sand the surface after cleaning to ensure a tight bond between the two coatings. Rinse thoroughly.

  WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.
- **Moisture in the concrete** - Apply a 2' x 2' sheet of plastic (such as a heavy-duty garbage bag or 1 gallon plastic storage bag) to an area of the garage floor. Tape down the edges with duct tape and allow to set for 24 hours. If water droplets appear on the inside of the plastic or if concrete appears wet (darker in color), moisture is trapped in the concrete and the floor should not be painted.
- **Loose or poorly cured concrete or concrete dust** - If the concrete is loose, chipping (spalled), or has concrete dust present, the coating will not perform properly unless all loose material and dust is removed and damaged areas repaired.

For use in covered garage area only. Not intended for carports or areas exposed to direct sunlight. Allow newly poured concrete to cure for a minimum of 28 days prior to coating. Apply when air (ambient) temperature is 60-85°F and relative humidity is below 80%. Concrete floors take a long time to warm up; make sure the previous day has also been at least 60°F prior to painting. Minimum floor temperature for painting is 55°F. Painting in mid-afternoon ensures the best cure. Store kit in a cool place (below 80°F) before use; storage at higher temperatures will shorten the working time of the coating (pot life).

Preparation Instructions

Preparation is critical to performance.
Remove any oil or grease spots on your floor. Use a scrub brush and a cleaner/degreaser or use a solvent such as mineral spirits. Scrub the spot thoroughly and wipe up excess cleaner with rags or paper towels to keep contaminants from spreading. Rinse thoroughly with fresh water. Repeat as necessary to completely clean.

Mix all concentrated cleaner with 2 gallons of water. Mix until dissolved. This cleaning solution contains a mild citric acid. Note: Do not use muriatic acid. For best results, use a plastic watering can to evenly distribute solution.

Pre-wet the floor using a hose. Remove pooled water with a squeegee or broom to avoid leaving puddles. Spread the cleaner mixture over a 10' x 10' section of the floor. Scrub vigorously with a stiff bristle brush to loosen dust and dirt. While working, keep the entire section wet until the entire section has been cleaned and rinsed.

Rinse each section thoroughly before starting the next section. For best results, use a foam squeegee to remove the rinse water from the surface and to move dirt and contaminants out of the garage. Repeat twice before continuing to the next section. Once all sections are completed, rinse and squeegee the entire garage floor to remove any cleaner that has been tracked on previously cleaned areas. A wet/dry vacuum can also be used to eliminate excess water, dirt and contaminants. Do not leave pooled water on the floor. The cleaner will not discolor driveways or harm grass or plants if rinsed thoroughly.

Allow the floor to dry completely. Wipe your fingers over the clean, dry floor. If you see any dust or powder on your fingers, repeat the rinsing and scrubbing until the floor is clean. If your fingers remain clean, continue to the next step.

Note: If the floor is not thoroughly cleaned and completely rinsed, the coating may not adhere properly to the surface.

EPOXYShield Mixing

Do NOT mix the decorative paint chips with EPOXYShield. Pour all of Part A into Part B and stir thoroughly for at least 3 minutes. (Note: Parts A and B must be mixed as stated.) See charts for appropriate application times and pot life. Do not leave container in direct sunlight. Mix again before applying. Note: Painted floors may be slippery when wet. If desired, anti-slip additive may be added to the mixed coating (follow manufacturer's directions). If using more than one kit, do not mix kits at the same time. To ensure even gloss and color, the coating must be applied within the times stated on the charts.

EPOXYShield Application

After the standing time indicated on the charts, use a good quality synthetic brush to trim edges (if desired). Work quickly so as not to impact the time remaining for rolling the surface. After the appropriate standing time for rolling, use a 1/2" nap roller cover and 9" roller frame to apply an even coat of EPOXYShield onto the surface. Apply in 4' x 4' sections so that the decorative paint chips can easily be scattered on the freshly coated surface. Maintain a wet edge to prevent lap marks and gloss differences. Toss the decorative paint chips onto the wet film. This step may be skipped if chips are not desired. This will not affect the performance of the coating. Immediately continue to coat the next section. (Note: Fresh paint can be applied over the loose chips that lay outside the previously painted area.) Only one coat is necessary. This product must be used within the pot life indicated. If product is used beyond the recommended pot life, the coating may appear to have uneven gloss and color. Do not leave container in direct sunlight.

Application Tip: Since you only have between 1-2 hours (depending on temperature) to use the mixed paint, have 1 person begin trimming edges (if desired) and have another person begin rolling out the floor as specified on the charts at right.

Dry Time

Surface should be ready for light foot traffic in 12-16 hours, heavy items and normal foot traffic in 24-48 hours. FOR FULL CURE AND VEHICLE TRAFFIC, ALLOW 7 DAYS. Temperature and humidity may affect actual dry time.

EPOXYShield Clean-Up

Wash all tools and equipment immediately with warm water and mild detergent. Allow any unused product to harden in the container and discard according to local regulations.

EPOXYShield Coverage

Each EPOXYShield kit contains enough surface treatment to cover approximately 250 square feet of smooth, bare concrete (a normal 1 car concrete garage floor). Very rough or porous concrete may require more material. Expect coverage of 125-200 square feet on those surfaces.

Safety Information

AVOID CONTACT WITH SKIN AND EYES
For skin contact, wash affected area with soap and water and rinse well. FIRST AID: In case of contact with eyes, flush with cold water for 15 minute If swallowed, do not induce vomiting. Drink 1-2 glasses of water or milk. Contact a physician immediately.

KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

Rust-Oleum Technical Support

For any questions or comments, call the EPOXYShield toll-free Technical Support line between 7:30 am - 5:00 pm CST at 1-888-NUFLOOR (683-5667)

If temp is 60-70°F
Allow product to stand after mixing

Start brushing (trimming edges):	30 minutes after mixing
Start rolling:	45 minutes after mixing
Use all mixed product within (pot life):	2 hours after mixing

Best time to paint is mid-afternoon (after 1PM) to ensure best curing conditions and maximum pot life.

If temp is 71-80°F
Allow product to stand after mixing

Start brushing (trimming edges):	10 minutes after mixing
Start rolling:	15 minutes after mixing
Use all mixed product within (pot life):	1.5 hours after mixing

Best time to paint is early morning (before 9AM) to ensure best curing conditions and maximum pot life.

If temp is 81-85°F

Start brushing (trimming edges):	Immediately after mixing
Start rolling:	5-15 minutes after mixing
Use all mixed product within (pot life):	1 hour after mixing

Best time to paint is early morning (before 9AM) to ensure best curing conditions and maximum pot life.

01-04

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name:	Epoxy Shield Garage Floor Kit - Base	Revision Date:	08/19/2004
Identification Number:	203005B, 203006B, 213934B, 213935B		
Product Use/Class:	Gaarage Floor Coating/Water Based Epoxy		
Supplier:	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA	Manufacturer:	Rust-Oleum Corporation 11 Hawthorn Parkway Vernon Hills, IL 60061 USA
Preparer:	Cziczo, Ray		

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Aliphatic Polyamine	MIXTURE	25.0	N.E.	N.E.	N.E.	N.E.
Titanium Dioxide	13463-67-7	15.0	10 mg/m3	N.E.	10 mg/m3	N.E.
Microcrystalline Silica	14808-60-7	15.0	10 mg/ m3	N.E.	0.10 mg/m3 Respirable	N.E.
Calcined Aluminum Silicate	1332-58-7	5.0	2 mg/m3	N.E.	5 mg/m3	N.E.
Ethylene Glycol Monopropyl Ether	2807-30-9	5.0	25 PPM SKIN	N.E.	N.E.	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Use ventilation necessary to keep exposures below recommended exposure limits, if any.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: Substance may cause slight skin irritation.

Effects Of Overexposure - Inhalation: Low hazard for usual industrial handling or commercial handling by trained personnel.

Effects Of Overexposure - Ingestion: Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: No Information.

Primary Route(s) Of Entry: Skin Contact, Inhalation, Ingestion, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

First Aid - Ingestion: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

Section 5 - Fire Fighting Measures

Flash Point: N.A. F (Setaflash)

LOWER EXPLOSIVE LIMIT: 1.3 %
UPPER EXPLOSIVE LIMIT : 15.0 %

Extinguishing Media: Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

Special Firefighting Procedures: Water may be used to cool closed containers to prevent buildup of steam.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

Section 7 - Handling And Storage

Handling: Wash thoroughly after handling. Wash hands before eating. Avoid contact with eyes.

Storage: Keep container closed when not in use. Keep from freezing.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Boiling Range:	212 - 392 F	Vapor Density:	Heavier than air
Odor:	Ammonia Like	Odor Threshold:	ND
Appearance:	Liquid	Evaporation Rate:	Slower than Ether
Solubility In H2O:	Soluble		
Freeze Point:	ND	Specific Gravity:	1.3200
Vapor Pressure:		PH:	NE
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid contact with strong acid and strong bases.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: When heated to decomposition it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: ND

Product LC50: ND

Chemical Name	LD50	LC50
Aliphatic Polyamine	>2000 MG/KG RAT ORAL	N.D.
Titanium Dioxide	>7500 mg/kg (ORAL, RAT)	N.D.
Microcrystalline Silica	ND	ND
Calcined Aluminum Silicate	N.D.	N.D.
Ethylene Glycol Monopropyl Ether	RAT 3089MG/KG	>2132PPM 6HR RAT

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Paint	Packing Group:	---
DOT Technical Name:	---	Hazard Subclass:	Not Regulated
DOT Hazard Class:	---	Resp. Guide Page:	---
DOT UN/NA Number:	---		

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name	CAS Number
Ethylene Glycol Monopropyl Ether	2807-30-9

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None known

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

Chemical Name	CAS Number
Water	7732-18-5

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name	CAS Number

Water	7732-18-5

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name	CAS Number
Microcrystalline Silica	14808-60-7
Microcrystalline Silica	14808-60-7
Lead Compounds	NOT SPECIFIED
Arsenic Compounds	NOT SPECIFIED
Nickel Compounds	NOT SPECIFIED
Cadmium Compounds	NOT SPECIFIED

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

Chemical Name	CAS Number
Lead Compounds	NOT SPECIFIED
Arsenic Compounds	NOT SPECIFIED
Cadmium Compounds	NOT SPECIFIED

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: D2B

Section 16 - Other Information

HMIS Ratings:
Health: 1* Flammability: 0 Reactivity: 0 Personal Protection: X

VOLATILE ORGANIC COMPOUNDS, g/l: 104

REASON FOR REVISION:

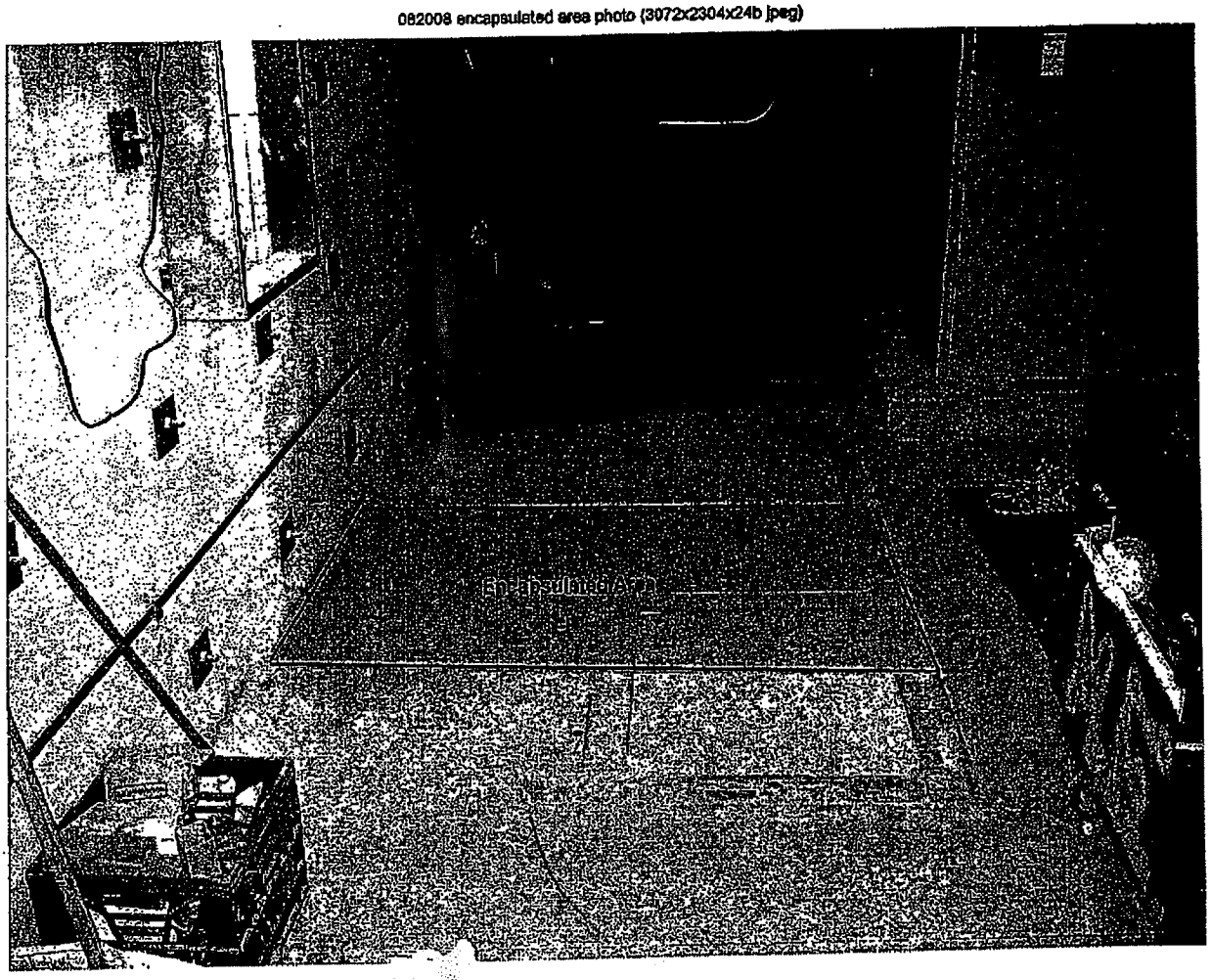
Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

APPENDIX B

Photographic Documentation

082008 encapsulated area photo (3072x2304x24b jpeg)



mastbaum signage (3072x2304x24b jpeg)